Page 1 of 1

### Refine Search

10/799,870 Sinch results

Search Results -

Terms	Documents
5976795[pn]	2

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#### **Search History**

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Set Name side by side	Query	Hit Count	Set Name result set
DB=P	GPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; PLUR=YES; OP=OR		
L7	5976795 [pn]	2	<u>L7</u>
L6	6331662 [pn]	2	L6
L5	L4 and gag and (env or envelop\$)	79	<u>L5</u>
<u>L5</u> <u>L4</u>	L1 and reverse near transcriptase\$	146	<u>L4</u>
L3	L2 and reverse near transcriptase\$	14	<u>L3</u>
L2	(plant\$ or barley or Hordeum) near10 (retroelement\$ or retrovirus near like)	18	<u>L2</u>
<u>L1</u>	(plant\$ or barley or Hordeum) and (retroelement\$ or retrovirus near like)	250	<u>L1</u>

**END OF SEARCH HISTORY** 

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#### Search Results -

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L2 and reverse near transcriptase\$	19

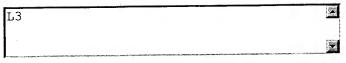
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### **Search History**

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	L3	L2 and reverse near transcriptase\$	19	<u>L3</u>	
	$\overline{\text{L2}}$	(barley or Hordeum) and (retroelement\$ or retrovirus near like)	36	L2	
	<u> </u>	barley and (retroelement\$ or retrovirus near like)	33	L1	

END OF SEARCH HISTORY

### Generate Collection Print

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### PALM INTRANET

Day: Thursday Date: 9/30/2004

Time: 10:10:52

### **Inventor Name Search**

Enter the **first few letters** of the Inventor's Last Name. Additionally, enter the **first few letters** of the Inventor's First name.

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## PALM INTRANET

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          126924 VULGARE
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      S4
? rd s4
...examined 50 records (50)
...completed examining records
              23 RD S4 (unique items)
      S5
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              5:Biosis Previews(R)
DIALOG(R) File
(c) 2004 BIOSIS. All rts. reserv.
0014909141
             BIOSIS NO.: 200400279898
Large retrotransposon derivatives: Abundant, conserved but nonautonomous
  retroelements of barley and related genomes
AUTHOR: Kalendar Ruslan; Vicient Carlos M; Peleg Ofer; Anamthawat-Jonsson
  Kesara; Bolshoy Alexander; Schulman Alan H (Reprint)
AUTHOR ADDRESS: Inst BiotechnolPlant Genom LabViikki Bioctr, Univ Helsinki,
  POB 56, Viikinkaari 4, FIN-00014, Helsinki, Finland**Finland
AUTHOR E-MAIL ADDRESS: alan.schulman@helsinki.fi
JOURNAL: Genetics 166 (3): p1437-1450 March 2004 2004
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MEDIUM: print
ISSN: 0016-6731 (ISSN print)
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
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DIALOG(R) File 5: Biosis Previews(R)
(c) 2004 BIOSIS. All rts. reserv.
             BIOSIS NO.: 200200315532
0013722021
LINEs and gypsy-like retrotransposons in Hordeum species
AUTHOR: Vershinin Alexander V; Druka Arnis; Alkhimova Alena G; Kleinhofs
  Andris; Heslop-Harrison John S (Reprint)
AUTHOR ADDRESS: Department of Biology, University of Leicester, University
  Road Lane, Leicester, LE1 7RH, UK**UK
JOURNAL: Plant Molecular Biology 49 (1): p1-14 May, 2002 2002
MEDIUM: print
ISSN: 0167-4412
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
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DIALOG(R) File
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(c) 2004 BIOSIS. All rts. reserv.
             BIOSIS NO.: 200200133361
0013539850
Envelope-class retrovirus-like elements are widespread,
  transcribed and spliced, and insertionally polymorphic in plants
AUTHOR: Vicient Carlos M; Kalendar Ruslan; Schulman Alan H (Reprint)
AUTHOR ADDRESS: Plant Genomics Laboratory, Viikki Biocenter, Institute of
  Biotechnology, University of Helsinki, FIN-00014, Helsinki, Finland**
  Finland
JOURNAL: Genome Research 11 (12): p2041-2049 December, 2001 2001
MEDIUM: print
ISSN: 1088-9051
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
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                       (Item 4 from file: 5)
DIALOG(R) File 5:Biosis Previews(R)
(c) 2004 BIOSIS. All rts. reserv.
            BIOSIS NO.: 200100221789
0013049950
Chromosomal distribution of reverse transcriptase-containing
  retroelements in two Triticeae species
AUTHOR: Belyayev Alexander (Reprint); Raskina Olga (Reprint); Nevo Eviatar
  (Reprint)
AUTHOR ADDRESS: Institute of Evolution, Haifa University, Mt. Carmel,
  Haifa, 31905, Israel**Israel
JOURNAL: Chromosome Research 9 (2): p129-136 2001 2001
MEDIUM: print
ISSN: 0967-3849
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
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DIALOG(R) File 5:Biosis Previews(R)
(c) 2004 BIOSIS. All rts. reserv.
            BIOSIS NO.: 199396123954
BARE-1, a copia-like retroelement in barley (Hordeum
    ***vulgare***
                  L.)
AUTHOR: Mamminen Inari; Schulman Alan H (Reprint)
AUTHOR ADDRESS: Inst. Biotechnology, Univ. Helsinki, P.O. Box 45, SF-00014
 Helsinki, Finland ** Finland
JOURNAL: Plant Molecular Biology 22 (5): p829-846 1993
ISSN: 0167-4412
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
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DIALOG(R) File 154: MEDLINE(R)
(c) format only 2004 The Dialog Corp. All rts. reserv.
         PMID: 10485278
14486349
                                      activity of Tyl-copia
                     transpositional
  Phylogeny and
retrotransposons in cereal genomes.
  Gribbon B M; Pearce S R; Kalendar R; Schulman A H; Paulin L; Jack P;
Kumar A; Flavell A J
  Department of Biochemistry, University of Dundee, Scotland, UK.
 Molecular & general genetics - MGG (GERMANY) Jul 1999, 261 (6)
 p883-91, ISSN 0026-8925 Journal Code: 0125036
  Document type: Journal Article
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DIALOG(R) File 154: MEDLINE(R)
(c) format only 2004 The Dialog Corp. All rts. reserv.
          PMID: 9440275
13746760
  BARE-1 insertion site preferences and evolutionary conservation of RNA
and cDNA processing sites.
  Suoniemi A; Schmidt D; Schulman A H
  Institute of Biotechnology, University of Helsinki, Finland.
  Genetica (NETHERLANDS) 1997, 100 (1-3) p219-30, ISSN 0016-6707
Journal Code: 0370740
  Document type: Journal Article
  Languages: ENGLISH
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                      (Item 3 from file: 154)
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DIALOG(R) File 154:MEDLINE(R)
(c) format only 2004 The Dialog Corp. All rts. reserv.
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LANGUAGE: English

13746759 PMID: 9440274 The Tyl-copia group of retrotransposons in plants: genomic organisation, evolution, and use as molecular markers. Kumar A; Pearce S R; McLean K; Harrison G; Heslop-Harrison J S; Waugh R; Scottish Crop Research Institute, Scotland, UK. 1997, 100 (1-3) p205-17, ISSN 0016-6707 Genetica (NETHERLANDS) Journal Code: 0370740 Document type: Journal Article Languages: ENGLISH Main Citation Owner: NLM Record type: Completed - end of record -(Item 4 from file: 154) Display 5/3/9 DIALOG(R) File 154: MEDLINE(R) (c) format only 2004 The Dialog Corp. All rts. reserv. 13746758 PMID: 9440273 chromosomal distributions of Ty1-copia group retrotransposable elements in higher plants and their implications for genome evolution. Heslop-Harrison J S; Brandes A; Taketa S; Schmidt T; Vershinin A V; Alkhimova E G; Kamm A; Doudrick R L; Schwarzacher T; Katsiotis A; Kubis S; Kumar A; Pearce S R; Flavell A J; Harrison G E John Innes Centre Norwich, UK. 1997, 100 (1-3) p197-204, ISSN 0016-6707 Genetica (NETHERLANDS) Journal Code: 0370740 Document type: Journal Article Languages: ENGLISH Main Citation Owner: NLM Record type: Completed - end of record -(Item 5 from file: 154) Display 5/3/10DIALOG(R) File 154: MEDLINE(R) (c) format only 2004 The Dialog Corp. All rts. reserv. 13659831 PMID: 9352643 genomic organization of Tyl-copia Characterization and retrotransposons in rye (Secale cereale). Pearce S R; Harrison G; Heslop-Harrison P J; Flavell A J; Kumar A Scottish Crop Research Institute, Invergowrie, Dundee, United Kingdom. Genome / National Research Council Canada = Genome / Conseil national de Oct 1997, 40 (5) p617-25, ISSN 0831-2796 recherches Canada (CANADA) Journal Code: 8704544 Document type: Journal Article Languages: ENGLISH Main Citation Owner: NLM Record type: Completed - end of record -Display 5/3/11 (Item 6 from file: 154) DIALOG(R) File 154:MEDLINE(R) (c) format only 2004 The Dialog Corp. All rts. reserv. 13285609 PMID: 8952083 identified retrotransposon families by \*\*\*transcriptase\*\*\* domain analysis. Matsuoka Y; Tsunewaki K Department of Bioscience, Fukui Prefectural University, Japan, USA.

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matsuoka@fpu.ac.jp
 Molecular biology and evolution (UNITED STATES)
                                                       Dec 1996, 13 (10)
 p1384-92, ISSN 0737-4038
                          Journal Code: 8501455
 Document type: Journal Article
 Languages: ENGLISH
 Main Citation Owner: NLM
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?
                       (Item 7 from file: 154)
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DIALOG(R) File 154: MEDLINE(R)
(c) format only 2004 The Dialog Corp. All rts. reserv.
          PMID: 8984007
13280748
  Chromosomal and genomic organization of Tyl-copia-like retrotransposon
sequences in the genus Avena.
 Katsiotis A; Schmidt T; Heslop-Harrison J S
  Karyobiology Group, John Innes Centre, Norwich, U.K.
  Genome / National Research Council Canada = Genome / Conseil national de
                          Apr 1996, 39 (2) p410-7, ISSN 0831-2796
recherches Canada (CANADA)
Journal Code: 8704544
  Document type: Journal Article
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DIALOG(R) File 154: MEDLINE(R)
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          PMID: 11773527
11604316
  OARE-1, a Tyl-copia retrotransposon in oat activated by abiotic and
biotic stresses.
  Kimura Y; Tosa Y; Shimada S; Sogo R; Kusaba M; Sunaga T; Betsuyaku S; Eto
Y; Nakayashiki H; Mayama S
  Laboratory of Plant Pathology, Faculty of Agriculture, Kobe University,
1-1, Rokkodai-cho, Nada-ku, Kobe, 657-8501 Japan.
  Plant & cell physiology (Japan) Dec 2001, 42 (12) p1345-54, ISSN
0032-0781 Journal Code: 9430925
  Document type: Journal Article
  Languages: ENGLISH
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                        (Item 9 from file: 154)
DIALOG(R) File 154: MEDLINE(R)
(c) format only 2004 The Dialog Corp. All rts. reserv.
          PMID: 10952197
10823441
   Structure, functionality, and evolution of the BARE-1 retrotransposon of
  ***barley***
  Vicient C M; Kalendar R; Anamthawat-Jonsson K; Schulman A H
  Institute of Biotechnology, University of Helsinki, Plant Genomics
Laboratory, Viikki Biocenter, Finland.
  Genetica (NETHERLANDS)
                          1999, 107 (1-3) p53-63, ISSN 0016-6707
Journal Code: 0370740
  Document type: Journal Article
  Languages: ENGLISH
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DIALOG(R) File 399:CA SEARCH(R)
(c) 2004 American Chemical Society. All rts. reserv.
              CA: 141(4)48587d
                                   PATENT
  141048587
  Retroelements in Arabidopsis thaliana and other plants and their use in
genetic manipulation
  INVENTOR(AUTHOR): Wright, David A.; Voytas, Daniel F.
  LOCATION: USA
  PATENT: U.S. Pat. Appl. Publ. ; US 20040019928 Al DATE: 20040129
  APPLICATION: US 395607 (20030324) *US PV87125 (19980529) *US 322478
(19990528) *US 586106 (20000602)
  PAGES: 163 pp., Cont.-in-part of U.S. Ser. No. 586,106. CODEN: USXXCO
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C07H-021/04B; C12N-009/22B; C12N-005/04B
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DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
(c) 2004 Inst for Sci Info. All rts. reserv.
           Genuine Article#: 847DV No. References: 34
Title: Isolation of an active element from a high-copy-number family of
    retrotransposons in the sweetpotato genome
Author(s): Tahara M (REPRINT) ; Aoki T; Suzuka S; Yamashita H; Tanaka M;
    Matsunaga S; Kokumai S
Corporate Source: Okayama Univ, Fac Agr, Okayama 7008530//Japan/ (REPRINT);
    Okayama Univ, Fac Agr, Okayama 7008530//Japan/; JEOL, Tokyo
    1968558//Japan/; SK Foods, Kobe/Hyogo 6512124/Japan/; Natl Agr Res
    Orq, Natl Agr Res Ctr Kyushu Okinawa Reg, Miyazaki 8850091//Japan/;
    Kabaya Foods, Okayama 7092117//Japan/(tahara@cc.okayama-u.ac.jp)
Journal: MOLECULAR GENETICS AND GENOMICS, 2004, V272, N1 (AUG), P116-127
                Publication date: 20040800
ISSN: 1617-4615
Publisher: SPRINGER, 233 SPRING STREET, NEW YORK, NY 10013 USA
Language: English Document Type: ARTICLE
                                             (ABSTRACT AVAILABLE)
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                         (Item 2 from file: 34)
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DIALOG(R) File 34: SciSearch(R) Cited Ref Sci
(c) 2004 Inst for Sci Info. All rts. reserv.
           Genuine Article#: UX504
                                     No. References: 44
04984487
Title: RETROTRANSPOSON-BARE-1 IS A MAJOR, DISPERSED COMPONENT OF THE
    BARLEY (HORDEUM-VULGARE L) GENOME
Author(s): SUONIEMI A; ANAMTHAWATJONSSON K; ARNA T; SCHULMAN AH
Corporate Source: HELSINKI UNIV, INST BIOTECHNOL, BIOCTR 1A, POB
    56, VIIKINKAARI 9/FIN-00014 HELSINKI//FINLAND/; HELSINKI UNIV, INST
    BIOTECHNOL, BIOCTR 1A/FIN-00014 HELSINKI//FINLAND/; INST AGR RES/IS-112
    REYKJAVIK//ICELAND/
Journal: PLANT MOLECULAR BIOLOGY, 1996, V30, N6 (MAR), P1321-1329
ISSN: 0167-4412
Language: ENGLISH Document Type: ARTICLE
                                              (Abstract Available)
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Main Citation Owner: NLM

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DIALOG(R) File 34: SciSearch(R) Cited Ref Sci
(c) 2004 Inst for Sci Info. All rts. reserv.
04719341
           Genuine Article#: UD375
                                     No. References: 39
Title: THE GENOMIC AND PHYSICAL ORGANIZATION OF TY1-COPIA-LIKE SEQUENCES AS
   A COMPONENT OF LARGE GENOMES IN PINUS-ELLIOTTII VAR ELLIOTTII AND OTHER
    GYMNOSPERMS
Author(s): KAMM A; DOUDRICK RL; HESLOPHARRISON JS; SCHMIDT T
Corporate Source: US FOREST SERV, USDA, SO INST FOREST GENET, SO RESSTN, 23332
    HIGHWAY 67/SAUCIER//MS/39574; US FOREST SERV, USDA, SO INST FOREST
    GENET, SO RESSTN/SAUCIER//MS/39574; JOHN INNES INST, DEPT CELL
    BIOL, KARYOBIOL GRP/NORWICH NR4 7UH/NORFOLK/ENGLAND/
Journal: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED
    STATES OF AMERICA, 1996, V93, N7 (APR 2), P2708-2713
ISSN: 0027-8424
Language: ENGLISH
                  Document Type: ARTICLE
                                             (Abstract Available)
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DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
(c) 2004 Inst for Sci Info. All rts. reserv.
04597895
           Genuine Article#: TV772
                                     No. References: 43
Title: A RETROTRANSPOSON-LIKE SEQUENCE LINKED TO THE S-LOCUS OF
    NICOTIANA-ALATA IS EXPRESSED IN STYLES IN RESPONSE TO TOUCH
Author(s): ROYO J; NASS N; MATTON DP; OKAMOTO S; CLARKE AE; NEWBIGIN E
Corporate Source: UNIV MELBOURNE, SCH BOT, PLANT CELL BIOL RES
    CTR/PARKVILLE/VIC 3052/AUSTRALIA/; UNIV MELBOURNE, SCH BOT, PLANT CELL
    BIOL RES CTR/PARKVILLE/VIC 3052/AUSTRALIA/
Journal: MOLECULAR & GENERAL GENETICS, 1996, V250, N2 (FEB 5), P180-188
ISSN: 0026-8925
Language: ENGLISH Document Type: ARTICLE
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DIALOG(R) File 34:SciSearch(R) Cited Ref Sci
(c) 2004 Inst for Sci Info. All rts. reserv.
           Genuine Article#: PW708
                                     No. References: 57
03663583
Title: RETROTRANSPOSONS IN THE FLANKING REGIONS OF NORMAL PLANT GENES - A
    ROLE FOR COPIA-LIKE ELEMENTS IN THE EVOLUTION OF GENE STRUCTURE AND
    EXPRESSION
Author(s): WHITE SE; HABERA LF; WESSLER SR
Corporate Source: UNIV GEORGIA, DEPT BOT/ATHENS//GA/30602; UNIV GEORGIA, DEPT
    BOT/ATHENS//GA/30602; UNIV GEORGIA, DEPT GENET/ATHENS//GA/30602
Journal: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED
    STATES OF AMERICA, 1994, V91, N25 (DEC 6), P11792-11796
ISSN: 0027-8424
Language: ENGLISH Document Type: ARTICLE
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DIALOG(R)File 98:General Sci Abs/Full-Text
(c) 2004 The HW Wilson Co. All rts. reserv.
04255640
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FULLTEXT)
Plant retrotransposons.
AUGMENTED TITLE: review
Kumar, Amar
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Bennetzen, Jeffrey L Annual Review of Genetics v. 33 (1999) p. 479-532 SPECIAL FEATURES: bibl il ISSN: 0066-4197 LANGUAGE: English COUNTRY OF PUBLICATION: United States WORD COUNT: 22407 - end of record -Display 5/3/22 (Item 1 from file: 370) DIALOG(R) File 370: Science (c) 1999 AAAS. All rts. reserv. 00500823 (USE 9 FOR FULLTEXT) Nested Retrotransposons in the Intergenic Regions of the Maize Genome SanMiguel, Phillip; Tikhonov, Alexander; Jin, Young-Kwan; Motchoulskaia, Natasha; Zakharov, Dmitrii; Melake-Berhan, Admasu; Springer, Patricia S.; Edwards, Keith J.; Lee, Michael; Avramova, Zoya; Bennetzen, Jeffrey L. P. SanMiguel, A. Tikhonov, Y.-K. Jin, N. Motchoulskaia, D. Zakharov, A. Melake-Berhan, P. S. Springer, M. Lee, Z. Avramova, J. L. Bennetzen, Department of Biological Sciences, Purdue University, West Lafayette, IN 47907, USA.; K. J. Edwards, Long Ashton Research Station, Long Ashton, Bristol BS18 9AF, UK. Science Vol. 274 5288 pp. 765 Publication Date: 11-01-1996 (961101) Publication Year: 1996 Document Type: Journal ISSN: 0036-8075 Language: English Section Heading: Reports Word Count: 2272 - end of record -Display 5/3/23 (Item 1 from file: 35) DIALOG(R) File 35: Dissertation Abs Online (c) 2004 ProQuest Info&Learning. All rts. reserv. 01611510 ORDER NO: NOT AVAILABLE FROM UNIVERSITY MICROFILMS INT'L. RETROTRANSPOSONS AS ACTIVE AND MAJOR COMPONENTS OF THE BARLEY GENOME (HORDEUM VULGARE, BARE-1) Author: SUONIEMI, ANNU SOILIKKI Degree: PH.D. Year: 1997 Corporate Source/Institution: HELSINGIN YLIOPISTO (FINLAND) (0592) Source: VOLUME 59/01-C OF DISSERTATION ABSTRACTS INTERNATIONAL. PAGE 58. 110 PAGES 951-45-7861-9 ISBN:

- end of record -

GUMMERUS, SAARIJARVI, FINLAND

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Publisher:

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# CRFE

## SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: DAVID GUZO Examiner #: 70677 Date: 9/9/04  Art Unit: 1636 Phone Number 3/272-0767 Serial Number: 10/799870  Mail Box and Bldg Room Location: Rm: 2A77 Results Format Preferred (circle): CAPER DISK E-MAI  If more than one search is submitted, please prioritize searches in order of need.  Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched, include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or known. Please attach a copy of the cover sheet, pertinent claims, and abstract.
Title of Invention:
Inventors (please provide full names):
Earliest Priority Filing Date:
*No Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.
Please run a regular plus interference sequence search on SEQ ID NO: 62 and 63.
62-19-757 63-99-251
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